

10/087,066 (RCE)

=> d his

(FILE 'HOME' ENTERED AT 21:06:04 ON 13 DEC 2003)

FILE 'REGISTRY' ENTERED AT 21:06:09 ON 13 DEC 2003

L1 SCREEN 1839
L2 SCREEN 2016 OR 2039 OR 2040 OR 2045 OR 2047
L3 STRUCTURE UPLOADED
L4 QUE L3 AND L1 NOT L2
L5 3 S L4 SSS SAM
L6 31 S L4 SSS FUL

FILE 'CAPLUS' ENTERED AT 21:07:14 ON 13 DEC 2003

L7 9 S L6

FILE 'CAOLD' ENTERED AT 21:07:49 ON 13 DEC 2003

=> s l6

L8 0 L6

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

0.40

190.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY

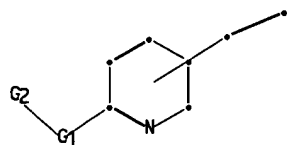
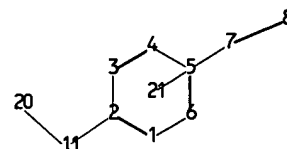
TOTAL
SESSION

CA SUBSCRIBER PRICE

0.00

-5.86

STN INTERNATIONAL LOGOFF AT 21:08:02 ON 13 DEC 2003

Ca¹Hy²Hy³12a¹13a²14a³

chain nodes :

7 8 11 12 13 14 20

ring nodes :

1 2 3 4 5 6

chain bonds :

2-11 7-8 11-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

2-11 11-20

exact bonds :

7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:O,S

G2:[*1],[*2],[*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 11:CLASS 12:Atom

13:Atom 14:Atom 20:CLASS 21:CLASS

Generic attributes :

12:

Saturation : Unsaturated

13:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

14:
Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : less than 2
Type of Ring System : Monocyclic

Element Count :

Node 13: Limited

C,C1-5

N,N1

Node 14: Limited

C,C4

S,S1

O,O0

N,N0

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1839

L1 SCREEN CREATED

=> screen 2016 OR 2039 OR 2040 OR 2045 OR 2047

L2 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\10087066 (rce).str

L3 STRUCTURE UPLOADED

=> que L3 AND L1 NOT L2

L4 QUE L3 AND L1 NOT L2

=> d 14

L4 HAS NO ANSWERS

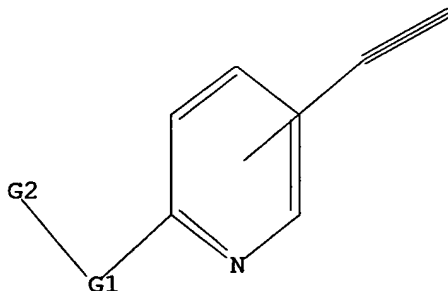
L1 SCR 1839

L2 SCR 2016 OR 2039 OR 2040 OR 2045 OR 2047

L3 STR

Cb 1

Hy 2



Hy 3

G1 O,S

G2 [C1],[C2],[C3]

Structure attributes must be viewed using STN Express query preparation.

L4 QUE L3 AND L1 NOT L2

=> s 14 sss sam

SAMPLE SEARCH INITIATED 21:06:30 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 159 TO ITERATE

10/087,066 (RCE)

100.0% PROCESSED 159 ITERATIONS
SEARCH TIME: 00.00.01

3 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2424 TO 3936
PROJECTED ANSWERS: 3 TO 163

L5 3 SEA SSS SAM L3 AND L1 NOT L2

=> s 14 sss ful
FULL SEARCH INITIATED 21:06:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3169 TO ITERATE

100.0% PROCESSED 3169 ITERATIONS
SEARCH TIME: 00.00.01

31 ANSWERS

L6 31 SEA SSS FUL L3 AND L1 NOT L2

=> s 16

L7 9 L6

=> d 17 1-9 bib,ab,hitstr

L7 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:434561 CAPLUS
 DN 139:22210
 TI Preparation of pyrazolopyridine derivatives as adenosine antagonists
 IN Tanaka, Akira; Minagawa, Masatoshi; Akahane, Atsushi
 PA Fujisawa Pharmaceutical Co., Ltd., Japan
 SO PCT Int. Appl., 63 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003045950	A1	20030605	WO 2002-JP12381	20021127
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI AU 2001-9163 A 20011129

OS MARPAT 139:22210

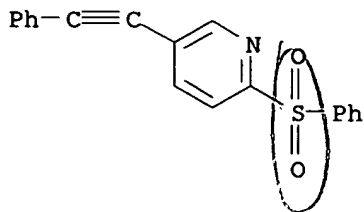
AB Pyrazolopyridine compds. of formula I [R1 = H, alkyl, cycloalkyl; R2 = H, (substituted) OH, acyl, (substituted) amino; R3 = H, halo] are prepd. The pyrazolopyridine compds. and salts thereof are adenosine antagonists and are useful for the prevention and/or treatment of depression, dementia (e.g. Alzheimer's disease, cerebrovascular dementia, dementia accompanying Parkinson's disease, etc.), Parkinson's disease, anxiety, pain, cerebrovascular disease (e.g. stroke, etc.), heart failure and the like. Thus, II was prepd. and showed adenosine antagonist activity and anticatalepsy activity.

IT 478273-15-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of pyrazolopyridine derivs. as adenosine antagonists)

RN 478273-15-3 CAPLUS

CN Pyridine, 5-(phenylethynyl)-2-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



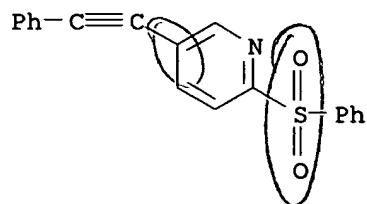
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:964360 CAPLUS
 DN 138:24732
 TI Preparation of pyrazolopyrazines as adenosine antagonists
 IN Akahane, Atsushi; Tanaka, Akira
 PA Fujisawa Pharmaceutical Co., Ltd., Japan
 SO PCT Int. Appl., 34 pp.
 CODEN: PIXXD2

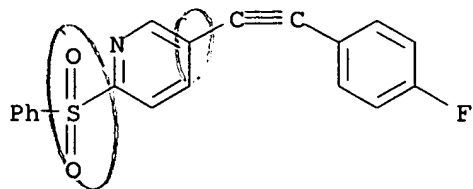
DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002100864	A1	20021219	WO 2002-JP5453	20020603
	W: JP, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
PRAI	AU 2001-5486	A	20010606		
OS	MARPAT 138:24732				
AB	Title compds. I [R1 = H, alkyl, cycloalkyl, etc.; R2 = H, halo] and their pharmaceutically acceptable salts were prepd. For example, hydrolysis of Me ether II, e.g., prepd. from 2,5-dibromopyridine in 5-steps, afforded pyrazolopyrazine III. In human A1 receptor binding assays, 3-specific examples of compds. I exhibited Ki values ranging from 0.18-0.36 nM, e.g., Ki of pyrazolopyrazine III = 0.18 nM. Compds. I are claimed useful for the treatment of depression, dementia, anxiety, etc.				
IT	478273-15-3P , 5-(Phenylethynyl)-2-(phenylsulfonyl)pyridine 478273-18-6P , 5-[(4-Fluorophenyl)ethynyl]-2-(phenylsulfonyl)pyridine 478273-21-1P , 5-[(2-Fluorophenyl)ethynyl]-2-(phenylsulfonyl)pyridine RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate; prepn. of pyrazolopyrazines as adenosine antagonists)				
RN	478273-15-3	CAPLUS			
CN	Pyridine, 5-(phenylethynyl)-2-(phenylsulfonyl)- (9CI) (CA INDEX NAME)				

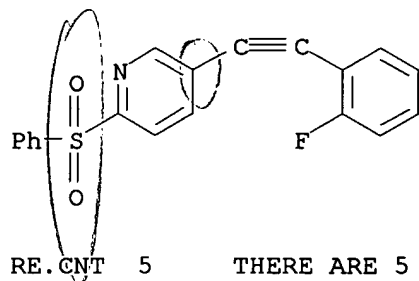


RN 478273-18-6 CAPLUS
 CN Pyridine, 5-[(4-fluorophenyl)ethynyl]-2-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RN 478273-21-1 CAPLUS

CN Pyridine, 5-[(2-fluorophenyl)ethynyl]-2-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RE.CNT 5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:693101 CAPLUS
 DN 137:212312
 TI Herbicidal 2-alkynyl-pyri(mi)dines
 IN Maier, Thomas
 PA BASF Aktiengesellschaft, Germany
 SO Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

Appl. EP.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1238586	A1	20020911	EP 2002-3518	20020215
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2003073581	A1	20030417	US 2002-87066	20020301 ←
	JP 2002322006	A2	20021108	JP 2002-59386	20020305
PRAI	US 2001-274755P	P	20010309		
OS	MARPAT 137:212312				

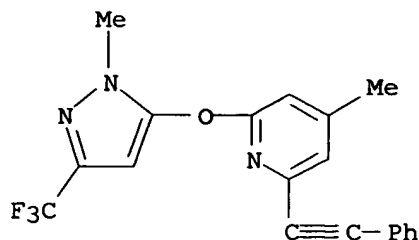
AB A method of combating undesired plant growth at a locus comprises application to the locus of an effective amt. of at least one compd. I (R1 = (un)substituted alkyl, alkenyl, alkynyl, alkoxy,alkoxyalkyl, alkoxyalkoxy, haloalkyl, haloalkoxy, cyano, nitro, SF5, etc.; R3 = H, formyl, (un)substituted alkyl, alkenyl, trihydrocarbylsilyl, aryl, (un)substituted 5- or 6-membered nitrogen-contg. heteroarom. group; A = (un)substituted aryl, (un)substituted 5- or 6-membered nitrogen-contg. heteroarom. group, or (un)substituted thienyl; Z = O, S or single bond; X = N or CR2 (R2 = H, or R2 = R1); m = 0, 1, or 2) and the agronomically acceptable salts or N-oxides thereof, or herbicidal compns. contg. such compds. as active ingredients.

IT 457057-31-7 457057-33-9 457057-34-0
 457057-35-1 457057-36-2 457057-37-3
 457057-40-8

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (herbicide)

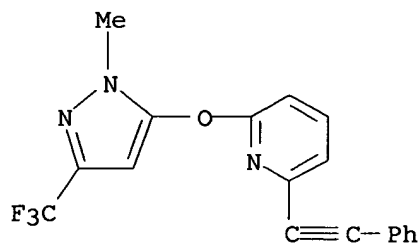
RN 457057-31-7 CAPLUS

CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-(phenylethynyl)- (9CI) (CA INDEX NAME)



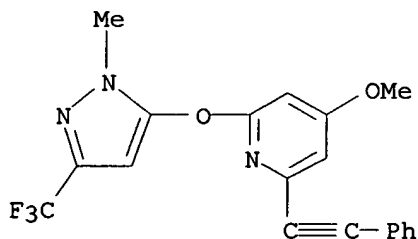
RN 457057-33-9 CAPLUS

CN Pyridine, 2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-(phenylethynyl)- (9CI) (CA INDEX NAME)



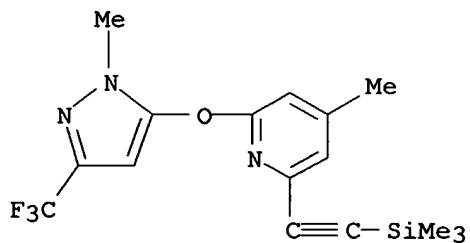
RN 457057-34-0 CAPLUS

CN Pyridine, 4-methoxy-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-(phenylethynyl)- (9CI) (CA INDEX NAME)



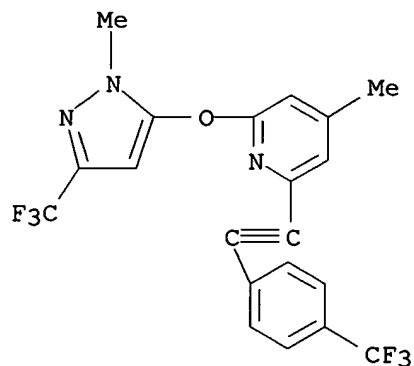
RN 457057-35-1 CAPLUS

CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[(trimethylsilyl)ethynyl]- (9CI) (CA INDEX NAME)



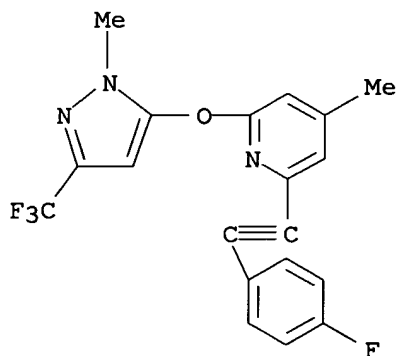
RN 457057-36-2 CAPLUS

CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[[4-(trifluoromethyl)phenyl]ethynyl]- (9CI) (CA INDEX NAME)



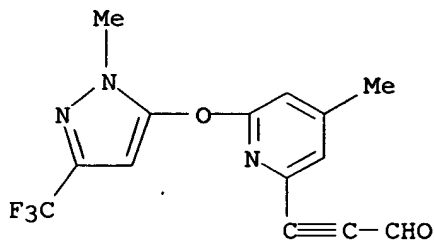
RN 457057-37-3 CAPLUS

CN Pyridine, 2-[(4-fluorophenyl)ethynyl]-4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



RN 457057-40-8 CAPLUS

CN 2-Propynal, 3-[4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-pyridinyl]- (9CI) (CA INDEX NAME)



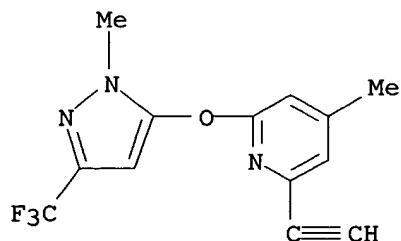
IT 457057-38-4 457057-39-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(herbicide)

RN 457057-38-4 CAPLUS

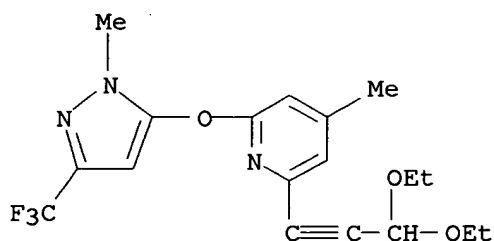
CN Pyridine, 2-ethynyl-4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-

yl]oxy]- (9CI) (CA INDEX NAME)



RN 457057-39-5 CAPLUS

CN Pyridine, 2-(3,3-diethoxy-1-propynyl)-4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

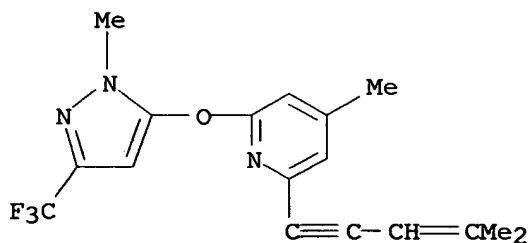


IT 457057-41-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. as herbicide)

RN 457057-41-9 CAPLUS

CN Pyridine, 4-methyl-2-(4-methyl-3-penten-1-ynyl)-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:247333 CAPLUS
 DN 134:266475
 TI Preparation of quinuclidine compounds and drugs containing the same as the active ingredient of squalene synthase inhibitors
 IN Okada, Toshimi; Kurusu, Nobuyuki; Tanaka, Keigo; Miyazaki, Kazuki; Shinmyo, Daisuke; Sugumi, Hiroyuki; Ikuta, Hironori; Hiyoshi, Hironobu; Saeki, Takao; Yanagimachi, Mamoru; Ito, Masashi
 PA Eisai Co., Ltd., Japan; et al.
 SO PCT Int. Appl., 267 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001023383	A1	20010405	WO 2000-JP6665	20000927
	W: AU, BR, CA, CN, HU, IL, JP, KR, MX, NO, NZ, RU, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 2000074464	A5	20010430	AU 2000-74464	20000927
	EP 1217001	A1	20020626	EP 2000-962889	20000927
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
	BR 2000014331	A	20030610	BR 2000-14331	20000927
	ZA 2002002034	A	20030312	ZA 2002-2034	20020312
	US 6599917	B1	20030729	US 2002-88554	20020319
	NO 2002001528	A	20020528	NO 2002-1528	20020326
PRAI	JP 1999-273905	A	19990928		
	JP 2000-179352	A	20000615		
	WO 2000-JP6665	W	20000927		

OS MARPAT 134:266475

AB Title compds. [I; wherein R1 is hydrogen or hydroxyl; HAr is an optionally substituted arom. heterocycle; Ar is an optionally substituted arom. ring; W is a CH₂CH₂ group which may be substituted, a CH:CH group which may be substituted, CC, NHCO, or the like; X is a single bond, optionally substituted C1-6 alkylene, Q ;wherein Q is oxygen, sulfur, CO, N(R₂) ; wherein R₂ is C1-6 alkyl or C1-6 alkoxy, NHCO, or the like], salts thereof, or hydrates of both, are prepd. and are useful as excellent squalene synthase inhibitors. Thus, the title compd. II was prepd. and tested.

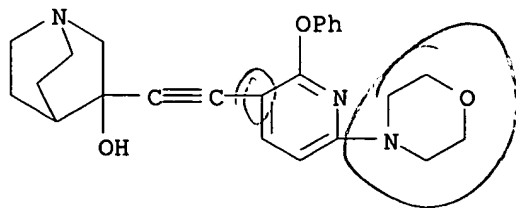
IT **332132-06-6P**

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of quinuclidine compds. and drugs contg. the same as active ingredient of squalene synthase inhibitors)

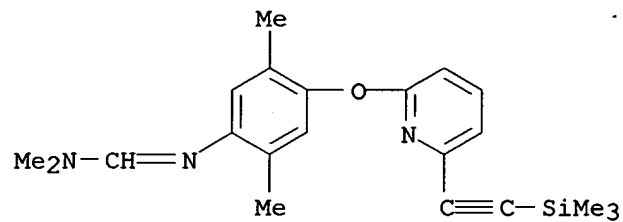
RN 332132-06-6 CAPLUS

CN 1-Azabicyclo[2.2.2]octan-3-ol, 3-[[6-(4-morpholinyl)-2-phenoxy-3-pyridinyl]ethynyl]- (9CI) (CA INDEX NAME)



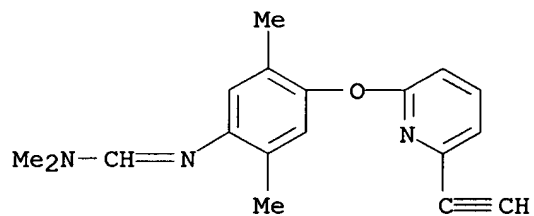
L7 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:553541 CAPLUS
 DN 133:163952
 TI Preparation of N2-phenylamidines as fungicides
 IN Charles, Mark David; Franke, Wilfried; Green, David Eric; Hough, Thomas
 Lawley; Mitchell, Dale Robert; Simpson, Donald James; Atherall, John
 Frederick
 PA Hoechst Schering Agrevo G.m.b.H., Germany
 SO PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000046184	A1	20000810	WO 2000-GB345	20000204
	W: AU, BR, CA, CN, CZ, HU, IL, IN, JP, KR, MX, RU, TR, UA, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2360943	AA	20000810	CA 2000-2360943	20000204
	EP 1150944	A1	20011107	EP 2000-901791	20000204
	EP 1150944	B1	20030820		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	BR 2000009314	A	20020213	BR 2000-9314	20000204
	JP 2002536354	T2	20021029	JP 2000-597256	20000204
	AT 247629	E	20030915	AT 2000-901791	20000204
	ZA 2001005845	A	20021016	ZA 2001-5845	20010716
PRAI	GB 1999-2592	A	19990206		
	WO 2000-GB345	W	20000204		
OS	MARPAT 133:163952				
AB	The title compds. [I; R1 = alkyl, alkenyl, alkynyl, etc.; R2, R3 = R1, CN, acyl, etc.; R2 and R3, or R2 and R1, together with their interconnecting atoms may form (un)substituted ring; R4 = alkyl, alkenyl, alkynyl, etc.; m = 0-3; when present R5 = R4; R6 = (un)substituted carbo- or heterocyclyl; A = a direct bond, O, C.tplbond.C, etc.; AR6 and R5 together with benzene ring M form an (un)substituted fused ring system], useful as fungicides, were prepd. E.g., a 3-step prepn. of the formamidine II which showed moderate to total control against Erysiphe graminis f. sp. Tritici at 500 ppm (w/v) or less, was given.				
IT	287940-41-4P 287940-42-5P RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of N2-phenylamidines as fungicides)				
RN	287940-41-4 CAPLUS				
CN	Methanimidamide, N'-[2,5-dimethyl-4-[[6-[(trimethylsilyl)ethynyl]-2-pyridinyl]oxy]phenyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)				



RN 287940-42-5 CAPLUS

CN Methanimidamide, N'-[4-[(6-ethynyl-2-pyridinyl)oxy]-2,5-dimethylphenyl]-
N,N-dimethyl- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1996:537647 CAPLUS
 DN 125:195438
 TI Preparation of 5-methanesulfonamido-6-(2-pyridylthio)-1-indanones as
 inhibitors of cyclooxygenase-2
 IN Li, Chun-Sing; Black, W. Cameron; Ouimet, Nathalie
 PA Merck Frosst Canada Inc., Can.
 SO Can. Pat. Appl., 35 pp.
 CODEN: CPXXEB
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2164559	AA	19960610	CA 1995-2164559	19951206
PRAI	US 1994-353025		19941209		
OS	MARPAT 125:195438				

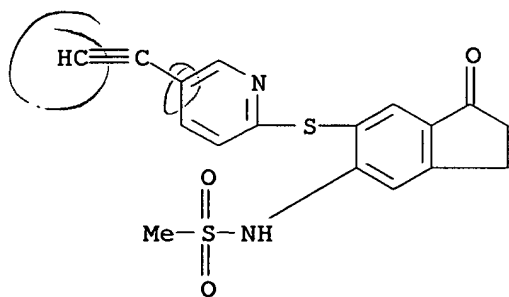
AB The title compds. [I; A, B = H, halo, Me, Et, etc.], useful for treatment of inflammatory disease susceptible to treatment with a non-steroidal antiinflammatory agent, were prepd. Thus, reaction of 5-nitro-6-bromo-1-indanone with TMSO(CH₂)₂OTMS followed by substitution of indanone ethylene ketal II with 5-chloro-2-mercaptopyridine, treatment the intermediate III with Fe, NH₄Cl in EtOH/H₂O, reaction of indanone IV with MsCl and removal of one of methanesulfonyl groups from 5-bis(methanesulfonyl)amino deriv. with 1M NaOH in MeOH/THF afforded I (A = H; B = Cl) which showed IC₅₀ of < 100 nM against cyclooxygenase-2.

IT **180636-41-3P**

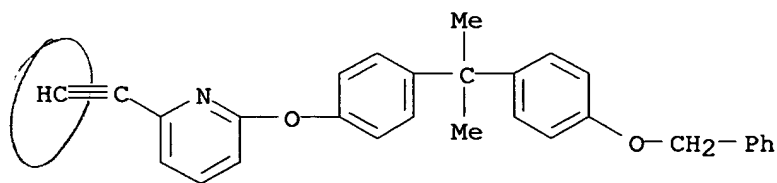
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 5-methanesulfonamido-6-(2-pyridylthio)-1-indanones as inhibitors of cyclooxygenase-2)

RN 180636-41-3 CAPLUS

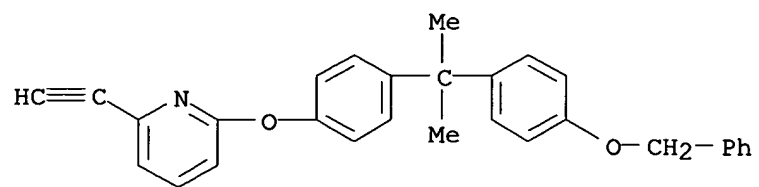
CN Methanesulfonamide, N-[6-[(5-ethynyl-2-pyridinyl)thio]-2,3-dihydro-1-oxo-1H-inden-5-yl]- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1991:656727 CAPLUS
 DN 115:256727
 TI Thermal polymerization of arylacetylenes: a stepwise activated monomer mechanism
 AU Sekiguchi, Hikaru; Kang, Hee Cheol; Tersac, Gilles; Sillion, Bernard
 CS Lab. Chim. Macromol., Univ. P. et M. Curie, Paris, 75252, Fr.
 SO Makromolekulare Chemie, Macromolecular Symposia (1991), 47(Int. Symp. Mech. Kinet. Polym. React.: Their Use Polym. Synth., 1990), 317-28
 CODEN: MCMSES; ISSN: 0258-0322
 DT Journal
 LA English
 AB The kinetics of the thermal polymn. of ATR (acetylene-terminated resin) model compds., bisphenol A monobenzyl mono(ethynylaryl) ethers, was studied by GPC and the resulting oligomers characterized by FTIR, UV, and H1-NMR techniques. The monomer was consumed rapidly at first, and slowly later, giving a mixt. of dimer, low oligomers (d.p. .ltoreq. 6), and higher ones. The concns. of every lower species remained nearly const. throughout the polymn. (except for the first 10 min). To account for these results, a new mechanism involving the activation of monomer and its attack on the end unit of the polymer chain was proposed. This is the first example of an activated-monomer mechanism for noncatalyzed polymn. of unsatd. monomers and, at the same time, the first example of a stepwise activated-monomer mechanism. The structure of the product was discussed on the basis of this mechanism.
 IT **137459-84-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, kinetics and mechanism of thermal)
 RN 137459-84-8 CAPLUS
 CN Pyridine, 2-ethynyl-6-[4-[1-methyl-1-[4-(phenylmethoxy)phenyl]ethyl]phenox y]-, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 137459-83-7
 CMF C29 H25 N O2



IT **137459-83-7**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (thermal polymn. of, kinetics and mechanism of)
 RN 137459-83-7 CAPLUS
 CN Pyridine, 2-ethynyl-6-[4-[1-methyl-1-[4-(phenylmethoxy)phenyl]ethyl]phenox y]- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1989:115570 CAPLUS
 DN 110:115570
 TI Preparation and thermal polymerization of oligomeric
 poly(oxypyridinediylloxyarylenes bearing terminal acetylene groups
 IN Dussart-Lermusiaux, Annie; Senneron, Michel; Rabilloud, Guy; Sillion,
 Bernard
 PA Centre d'Etude des Materiaux Organiques pour Technologies Avancees, Fr.
 SO Fr. Demande, 26 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2605010	A1	19880415	FR 1986-14090	19861009
	FR 2605010	B1	19881230		
	FR 2621041	A2	19890331	FR 1987-13405	19870925
	FR 2621041	B2	19900112		
	EP 267076	A1	19880511	EP 1987-402209	19871006
	R: BE, CH, DE, GB, IT, LI, NL				
	US 4814403	A	19890321	US 1987-105745	19871008
	JP 63117034	A2	19880521	JP 1987-256139	19871009
PRAI	FR 1986-14090		19861009		

AB The title oligomers, useful in composites, adhesives, foams, etc., are
 prepd. by polymg. bisphenol salts with dihalopyridines and ethynylation of
 the halogen-terminated products. Heating 0.4 mol 2,6-dibromopyridine with
 0.2 mol resorcinol and 41.49 g K₂CO₃ in N-methylpyrrolidone-PhMe at
 130.degree. for 7 h with azeotropic distn. of H₂O gave 91%
 6,6'-(m-phenylenedioxy)bis(2-bromopyridine), catalytic condensation of
 which with 2-methyl-3-butyn-1-ol gave 66% bis(3-hydroxy-3-methyl-1-
 butynyl) deriv., alk. degrdn. of which gave 50% 2,2'-(m-
 phenylenedioxy)bis(6-ethynylpyridine) (I). Heating I at 180.degree. for 2
 h gave a polymer with initial decompn. temp. (TGA) 356 and 379.degree. in
 air and Ar, resp., and wt. loss after 20 h at 300.degree. 2.7%.

IT **119421-85-1P 119421-86-2P 119421-88-4P**
119421-89-5P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (heat-resistant, manuf. of)

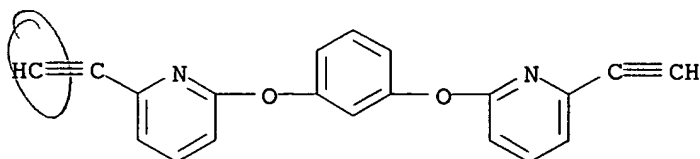
RN 119421-85-1 CAPLUS

CN Pyridine, 2,2'-[1,3-phenylenebis(oxy)]bis[6-ethynyl-, homopolymer (9CI)
 (CA INDEX NAME)

CM 1

CRN 119409-37-9

CMF C20 H12 N2 O2



RN 119421-86-2 CAPLUS

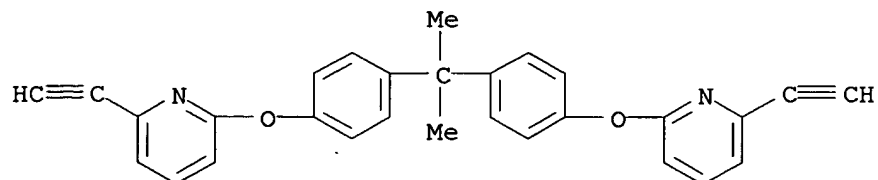
CN Pyridine, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis[6-ethynyl-,

homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 119409-38-0

CMF C29 H22 N2 O2



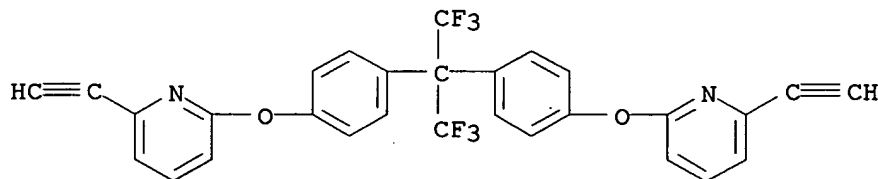
RN 119421-88-4 CAPLUS

CN Pyridine, 2,2'-[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis[6-ethynyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 119421-98-6

CMF C29 H16 F6 N2 O2



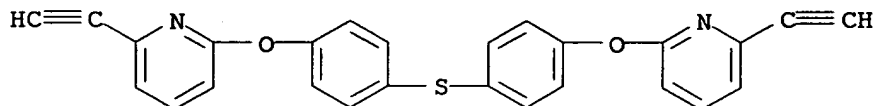
RN 119421-89-5 CAPLUS

CN Pyridine, 2,2'-[thiobis(4,1-phenyleneoxy)]bis[6-ethynyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 119409-40-4

CMF C26 H16 N2 O2 S

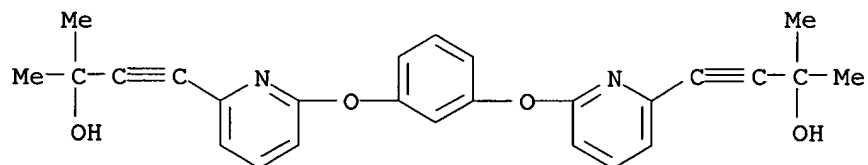


IT 119409-36-8P 119409-39-1P

RL: IMF (Industrial manufacture); PREP (Preparation)
(manuf. and degrdn. of)

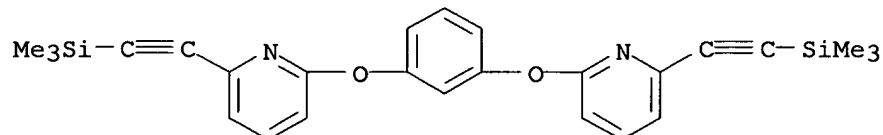
RN 119409-36-8 CAPLUS

CN 3-Butyn-2-ol, 4,4'-[1,3-phenylenebis(oxy-6,2-pyridinediyl)]bis[2-methyl- (9CI) (CA INDEX NAME)



RN 119409-39-1 CAPLUS

CN Pyridine, 2,2'-[1,3-phenylenebis(oxy)]bis[6-[(trimethylsilyl)ethynyl]- (9CI) (CA INDEX NAME)

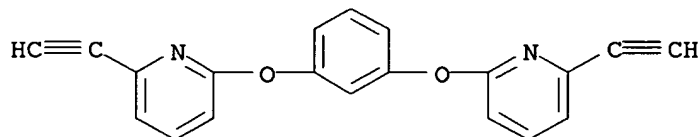


IT 119409-37-9P 119409-38-0P

RL: IMF (Industrial manufacture); PREP (Preparation)
(manuf. of)

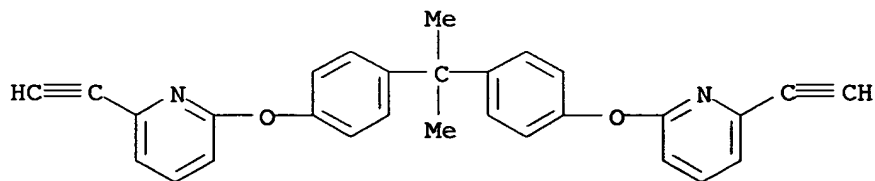
RN 119409-37-9 CAPLUS

CN Pyridine, 2,2'-[1,3-phenylenebis(oxy)]bis[6-ethynyl- (9CI) (CA INDEX NAME)



RN 119409-38-0 CAPLUS

CN Pyridine, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis[6-ethynyl- (9CI) (CA INDEX NAME)

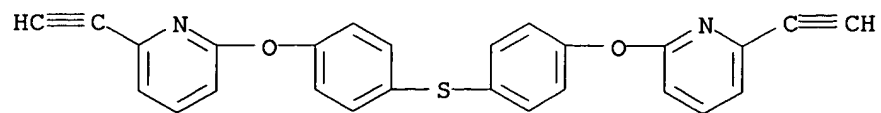


IT 119409-40-4P 119421-98-6P

RL: PREP (Preparation)
(prepn. of)

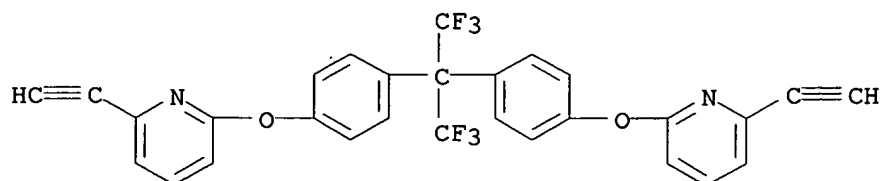
RN 119409-40-4 CAPLUS

CN Pyridine, 2,2'-[thiobis(4,1-phenyleneoxy)]bis[6-ethynyl- (9CI) (CA INDEX NAME)



RN 119421-98-6 CAPLUS

CN Pyridine, 2,2'-[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis[6-ethynyl- (9CI) (CA INDEX NAME)



L7 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1985:108261 CAPLUS
 DN 102:108261
 TI Pyridylmethyl derivatives as pesticides
 PA Katsuta, Sumio, Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59152303	A2	19840831	JP 1983-24389	19830216
	JP 03026162	B4	19910410		
PRAI	JP 1983-24389		19830216		

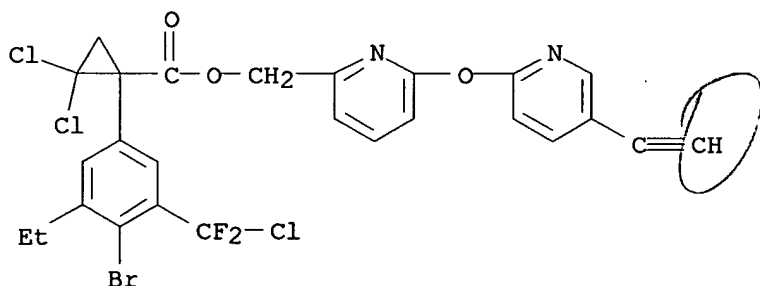
AB Pyridylmethyl derivs. are pesticides. Thus, 0.2% 3'-(4'-pyridyloxy)-.alpha.'-cyano-2-pyridylmethyl 2,2-dimethyl-3-(2,2-dichlorovinyl)cyclopropanecarboxylate [94337-43-6] in kerosine controlled houseflies by 100% in 24 h. Syntheses of the derivs. are described.

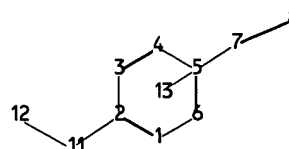
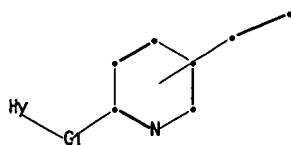
IT 94337-88-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. and pesticidal activity of)

RN 94337-88-9 CAPLUS

CN Cyclopropanecarboxylic acid, 1-[4-bromo-3-(chlorodifluoromethyl)-5-ethylphenyl]-2,2-dichloro-, [6-[(5-ethynyl-2-pyridinyl)oxy]-2-pyridinyl]methyl ester (9CI) (CA INDEX NAME)





chain nodes :

7 8 11 12

ring nodes :

1 2 3 4 5 6

chain bonds :

2-11 7-8 11-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

2-11 11-12

exact bonds :

7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 11:CLASS 12:Atom
13:CLASS

Generic attributes :

12:

Saturation : Unsaturated

Type of Ring System : Polycyclic

10/087,066 (RCE)

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1839

L1 SCREEN CREATED

=> screen 2016 OR 2039 OR 2040 OR 2045 OR 2047

L2 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\10087066 (rce 2).str

L3 STRUCTURE UPLOADED

=> que L3 AND L1 NOT L2

L4 QUE L3 AND L1 NOT L2

=> d l4

L4 HAS NO ANSWERS

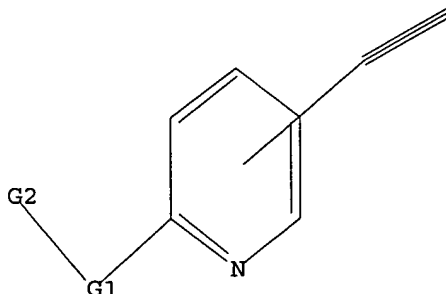
L1 SCR 1839

L2 SCR 2016 OR 2039 OR 2040 OR 2045 OR 2047

L3 STR

Cb 1

Hy 2



Hy³

G1 O,S

G2 [@1],[@2],[@3]

Structure attributes must be viewed using STN Express query preparation.

L4 QUE L3 AND L1 NOT L2

=> s l4 sss sam

SAMPLE SEARCH INITIATED 06:44:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 159 TO ITERATE

100.0% PROCESSED 159 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

10/087,066 (RCE)

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2424 TO 3936
PROJECTED ANSWERS: 3 TO 163

L5 3 SEA SSS SAM L3 AND L1 NOT L2

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1839

L6 SCREEN CREATED

=> screen 2016 OR 2039 OR 2040 OR 2045 OR 2047

L7 SCREEN CREATED

=>

Uploading C:\STNEXP4\QUERIES\10087066 (rce 2).str

L8 STRUCTURE UPLOADED

=> que L8 AND L6 NOT L7

L9 QUE L8 AND L6 NOT L7

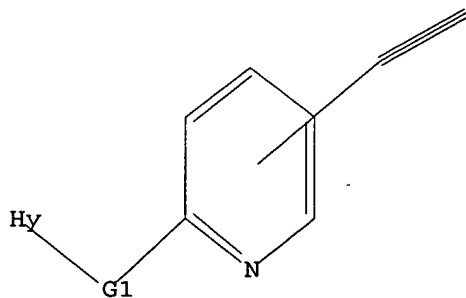
=> d l9

L9 HAS NO ANSWERS

L6 SCR 1839

L7 SCR 2016 OR 2039 OR 2040 OR 2045 OR 2047

L8 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

L9 QUE L8 AND L6 NOT L7

=> s l9 sss sam

SAMPLE SEARCH INITIATED 06:46:44 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 162 TO ITERATE

100.0% PROCESSED 162 ITERATIONS

0 ANSWERS

10/087,066 (RCE)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2477 TO 4003
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L8 AND L6 NOT L7

=> s l9 sss ful
FULL SEARCH INITIATED 06:46:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3242 TO ITERATE

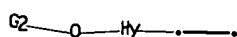
100.0% PROCESSED 3242 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L11 0 SEA SSS FUL L8 AND L6 NOT L7

Ca³

Hya¹

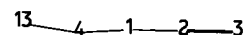
Hya²



7a³

5a¹

6a²



chain nodes :

1 2 3 4 5 6 7 13

chain bonds :

1-2 1-4 2-3 4-13

exact/norm bonds :

1-2 1-4 4-13

exact bonds :

2-3

G2:[*1],[*2],[*3]

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 13:CLASS

Generic attributes :

1:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

Type of Ring System : Monocyclic

5:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Type of Ring System : Monocyclic

6:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : less than 2

Type of Ring System : Monocyclic

7:

Saturation : Unsaturated

Element Count :

Node 1: Limited

C,C5

N,N1

O,O0

S,S0

Node 5: Limited

C,C3-5

N,N1-2

S,S0

O,O0

Node 6: Limited

C,C4

S,S1

O,O0

N,N0

=>
Uploading 10087066 (claim 8).str

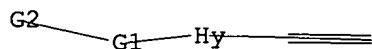
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

Cb 3

Hy 1

Hy 2



G1 O,S
G2 [01],[02],[03]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 13:14:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13803 TO ITERATE

7.2% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 269033 TO 283087
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>
Uploading 10087066 (claim 8).str

L3 STRUCTURE UPLOADED

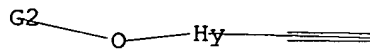
=> d l3
L3 HAS NO ANSWERS

L3 STR

Cb³

Hy 1

Hy 2



G1

G2 [01], [02], [03]

Structure attributes must be viewed using STN Express query preparation.

=> s l3 sss sam

SAMPLE SEARCH INITIATED 13:15:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13386 TO ITERATE

7.5% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 260799 TO 274641
PROJECTED ANSWERS: 48 TO 486

L4 1 SEA SSS SAM L3

=>

Uploading 10087066 (claim 8).str

L5 STRUCTURE UPLOADED

=> d l5

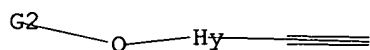
L5 HAS NO ANSWERS

L5 STR

Cb³

Hy 1

Hy 2



G1

G2 [01], [02], [03]

Structure attributes must be viewed using STN Express query preparation.

=> s 15 sss sam

SAMPLE SEARCH INITIATED 13:20:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 13386 TO ITERATE

7.5% PROCESSED 1000 ITERATIONS

1 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 260799 TO 274641

PROJECTED ANSWERS: 48 TO 486

L6 1 SEA SSS SAM L5

=> s 15 sss ful

FULL SEARCH INITIATED 13:20:15 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 271272 TO ITERATE

100.0% PROCESSED 271272 ITERATIONS

54 ANSWERS

SEARCH TIME: 00.00.03

L7 54 SEA SSS FUL L5

=> s 17

L8 14 L7

=> d 18 1-14 bib,ab,hitstr

L8 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:693101 CAPLUS
 DN 137:212312
 TI Herbicidal 2-alkynyl-pyri(mi)dines
 IN Maier, Thomas
 PA BASF Aktiengesellschaft, Germany
 SO Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

Appl.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1238586	A1	20020911	EP 2002-3518	20020215
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002322006	A2	20021108	JP 2002-59386	20020305
PRAI	US 2001-274755P	P	20010309	← <i>Prov.</i>	
OS	MARPAT 137:212312				

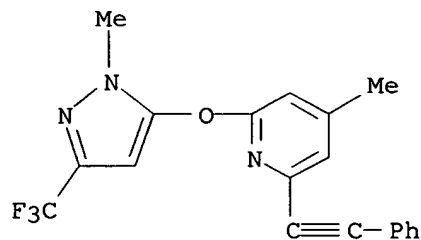
AB A method of combating undesired plant growth at a locus comprises application to the locus of an effective amt. of at least one compd. I (R1 = (un)substituted alkyl, alkenyl, alkynyl, alkoxy, alkoxyalkyl, alkoxyalkoxy, haloalkyl, haloalkoxy, cyano, nitro, SF5, etc.; R3 = H, formyl, (un)substituted alkyl, alkenyl, trihydrocarbylsilyl, aryl, (un)substituted 5- or 6-membered nitrogen-contg. heteroarom. group; A = (un)substituted aryl, (un)substituted 5- or 6-membered nitrogen-contg. heteroarom. group, or (un)substituted thienyl; Z = O, S or single bond; X = N or CR2 (R2 = H, or R2 = R1); m = 0, 1, or 2) and the agronomically acceptable salts or N-oxides thereof, or herbicidal compns. contg. such compds. as active ingredients.

IT 457057-31-7 457057-33-9 457057-34-0
 457057-35-1 457057-36-2 457057-37-3
 457057-40-8

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (herbicide)

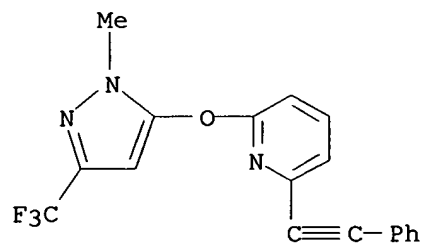
RN 457057-31-7 CAPLUS

CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-(phenylethynyl)- (9CI) (CA INDEX NAME)



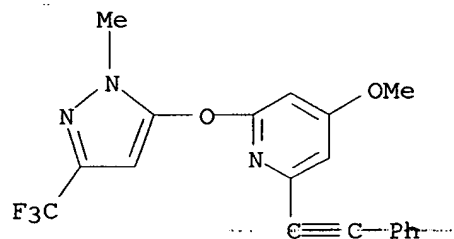
RN 457057-33-9 CAPLUS

CN Pyridine, 2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-(phenylethynyl)- (9CI) (CA INDEX NAME)



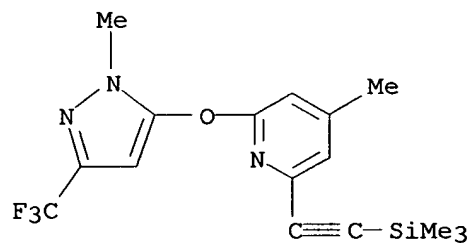
RN 457057-34-0 CAPLUS

CN Pyridine, 4-methoxy-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-(phenylethynyl)- (9CI) (CA INDEX NAME)



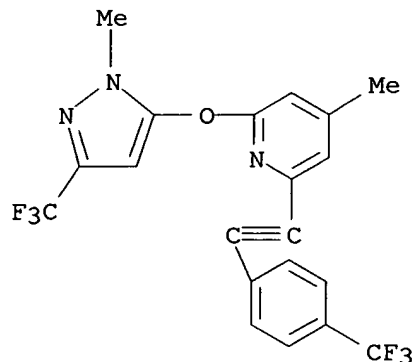
RN 457057-35-1 CAPLUS

CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[(trimethylsilyl)ethynyl]- (9CI) (CA INDEX NAME)



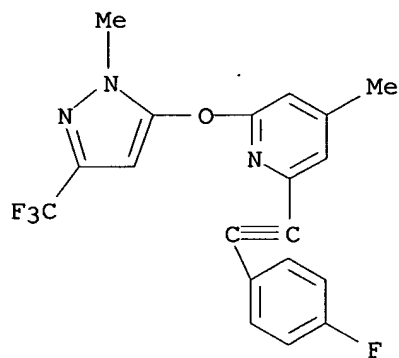
RN 457057-36-2 CAPLUS

CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[[4-(trifluoromethyl)phenyl]ethynyl]- (9CI) (CA INDEX NAME)



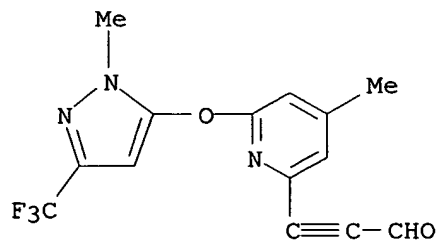
RN 457057-37-3 CAPLUS

CN Pyridine, 2-[(4-fluorophenyl)ethynyl]-4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



RN 457057-40-8 CAPLUS

CN 2-Propynal, 3-[4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-pyridinyl]- (9CI) (CA INDEX NAME)



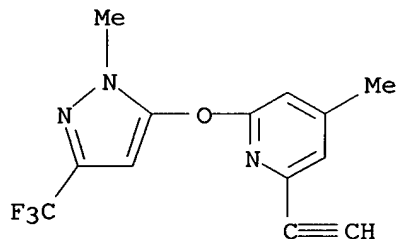
IT 457057-38-4 457057-39-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(herbicide)

RN 457057-38-4 CAPLUS

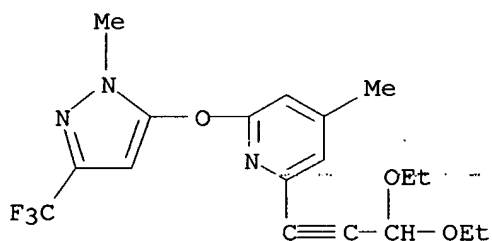
CN Pyridine, 2-ethynyl-4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-

yl]oxy]- (9CI) (CA INDEX NAME)



RN 457057-39-5 CAPLUS

CN Pyridine, 2-(3,3-diethoxy-1-propynyl)-4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

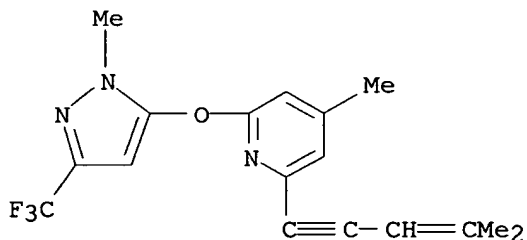


IT 457057-41-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. as herbicide)

RN 457057-41-9 CAPLUS

CN Pyridine, 4-methyl-2-(4-methyl-3-penten-1-ynyl)-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

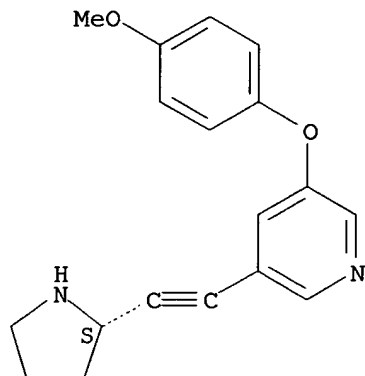
L8 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 2002:368990 CAPLUS
 DN 136:363869
 TI Preparation of pyridyl olefinic and acetylenic cycloalkylamines as prodrug
 modulators of nicotinic cholinergic receptors and agents for central
 nervous system disorders
 IN Dull, Gary Maurice; Schmitt, Jeffrey Daniel; Bhatti, Balwinder Singh;
 Miller, Craig Harrison
 PA USA
 SO U.S. Pat. Appl. Publ., 29 pp., Cont.-in-part of U.S. Ser. No. 431,700,
 abandoned.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

not prior

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002058652	A1	20020516	US 2001-845526	20010430
	WO 2002088114	A2	20021107	WO 2002-US13635	20020429
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 1999-431700	B2	19991101		
	US 2001-845526	A	20010430		
OS	MARPAT 136:363869				
AB	<p>Patients susceptible to or suffering from conditions and disorders, e.g. central nervous system disorders, are treated by administering aryl olefinic azacyclic compds. and aryl acetylenic azacyclic compds., including pyridyl olefinic cycloalkylamines and pyridyl acetylenic cycloalkylamines I wherein X and X1' are individually nitrogen, nitrogen bonded to oxygen or carbon bonded to a substituent species characterized as having a sigma m value between about -0.3 and about 0.75; Z is (CEEI)p-(CEIIEIII)n ; p and n are integers such that the sum of p plus n is 0, 1, 2 or 3; E, EI, EII and EIII individually represent hydrogen or a suitable non-hydrogen substituent; and Q is heterocycle. Thus, (E)-(S)-3-(4-hydroxyphenoxy)-5-(pyrrolidin-2-ylvinyl)pyridine was prepd. as prodrug modulator of nicotinic cholinergic receptor and agent for central nervous system disorder (Ki of 20 nM). The low binding const. indicates that the compd. exhibits good high-affinity binding to certain CNS nicotinic receptors. Compds. of the present invention exhibit inhibitory effects upon cytokine prodn. and/or secretion when employed in amts. less than those amts. necessary to elicit activation of relevant nicotinic receptor subtypes to any significant degree.</p>				
IT	422557-03-7P 422557-04-8P 422557-05-9P 422557-13-9P 422557-14-0P 422557-17-3P 422557-18-4P 422557-25-3P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of pyridyl olefinic and acetylenic cycloalkylamines as prodrug modulators of nicotinic cholinergic receptors and agents for central				

nervous system disorders)
 RN 422557-03-7 CAPLUS
 CN Pyridine, 3-(4-methoxyphenoxy)-5-[(2S)-2-pyrrolidinylethynyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

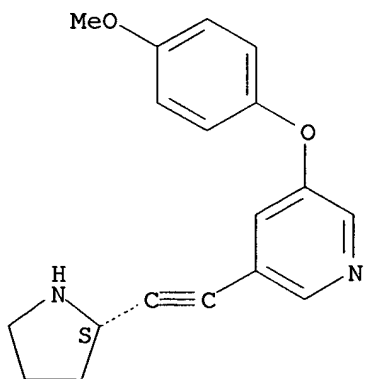


RN 422557-04-8 CAPLUS
 CN Galactaric acid, compd. with 3-(4-methoxyphenoxy)-5-[(2S)-2-pyrrolidinylethynyl]pyridine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 422557-03-7
 CMF C18 H18 N2 O2

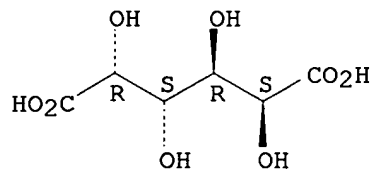
Absolute stereochemistry.



CM 2

CRN 526-99-8
 CMF C6 H10 O8

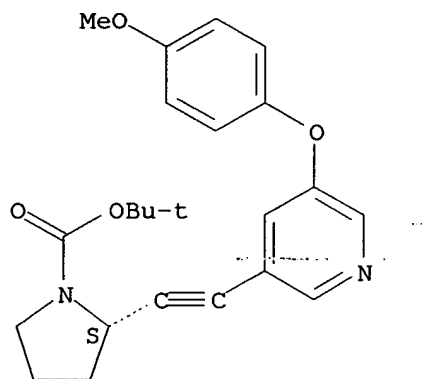
Relative stereochemistry.



RN 422557-05-9 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[[5-(4-methoxyphenoxy)-3-pyridinyl]ethynyl]-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

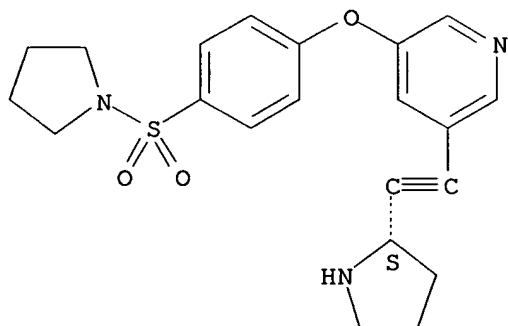
Absolute stereochemistry.



RN 422557-13-9 CAPLUS

CN Pyrrolidine, 1-[[4-[[5-[(2S)-2-pyrrolidinylethynyl]-3-pyridinyl]oxy]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 422557-14-0 CAPLUS

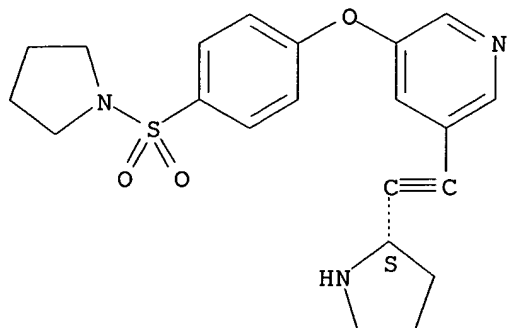
CN Galactaric acid, compd. with 1-[[4-[[5-[(2S)-2-pyrrolidinylethynyl]-3-pyridinyl]oxy]phenyl]sulfonyl]pyrrolidine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 422557-13-9

CMF C21 H23 N3 O3 S

Absolute stereochemistry.

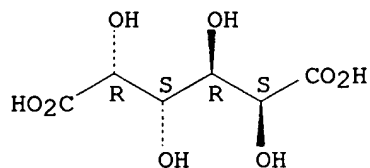


CM 2

CRN 526-99-8

CMF C6 H10 O8

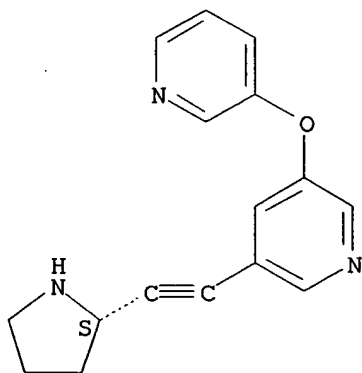
Relative stereochemistry.



RN 422557-17-3 CAPLUS

CN Pyridine, 3-(3-pyridinyloxy)-5-[(2S)-2-pyrrolidinyethynyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



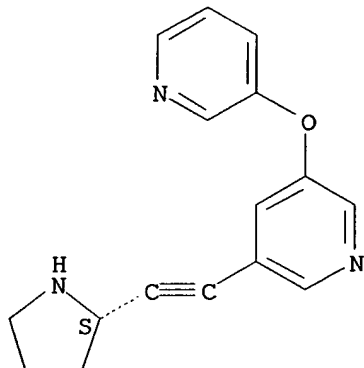
RN 422557-18-4 CAPLUS

CN Galactaric acid, compd. with 3-(3-pyridinyloxy)-5-[(2S)-2-pyrrolidinyethynyl]pyridine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 422557-17-3
CMF C16 H15 N3 O

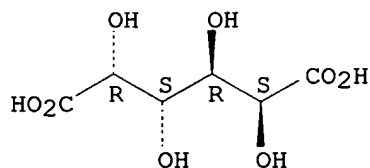
Absolute stereochemistry.



CM 2

CRN 526-99-8
CMF C6 H10 O8

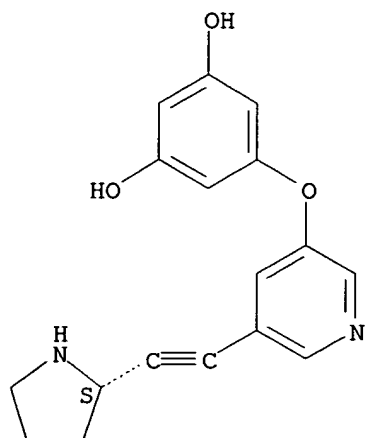
Relative stereochemistry.



RN 422557-25-3 CAPLUS

CN 1,3-Benzenediol, 5-[[5-[(2S)-2-pyrrolidinylethynyl]-3-pyridinyl]oxy]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



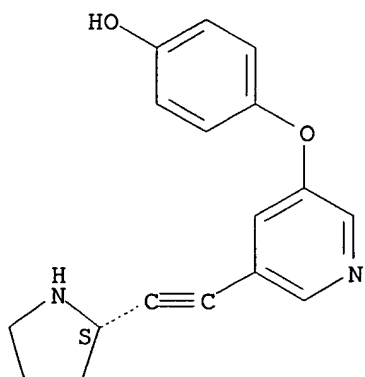
IT 422557-06-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of pyridyl olefinic and acetylenic cycloalkylamines as prodrug
modulators of nicotinic cholinergic receptors and agents for central
nervous system disorders)

RN 422557-06-0 CAPLUS

CN Phenol, 4-[[5-[(2S)-2-pyrrolidinylethynyl]-3-pyridinyl]oxy]- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



IT 422557-16-2P 422557-20-8P 422557-27-5P

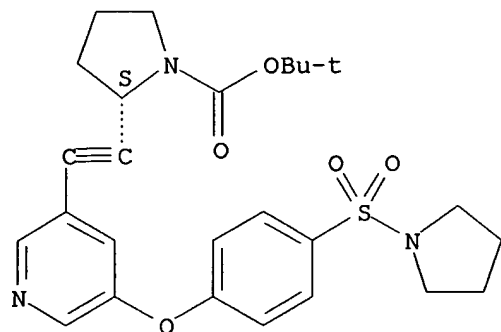
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(prepn. of pyridyl olefinic and acetylenic cycloalkylamines as prodrug
modulators of nicotinic cholinergic receptors and agents for central
nervous system disorders)

RN 422557-16-2 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[[5-[4-(1-pyrrolidinylsulfonyl)phenoxy]-3-
pyridinyl]ethynyl]-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

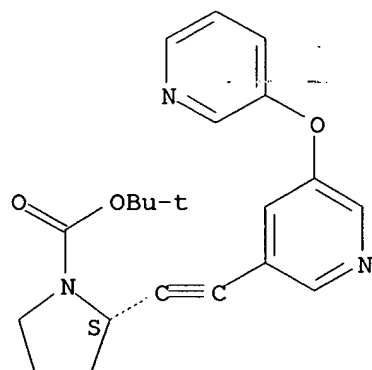
Absolute stereochemistry.



RN 422557-20-8 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[[5-(3-pyridinyloxy)-3-pyridinyl]ethynyl]-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

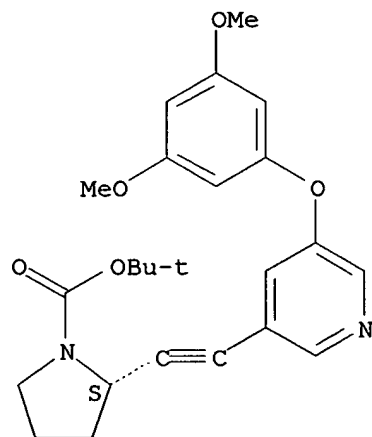
Absolute stereochemistry.



RN 422557-27-5 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 2-[[5-(3,5-dimethoxyphenoxy)-3-pyridinyl]ethynyl]-, 1,1-dimethylethyl ester, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L8 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS

AN 2002:314913 CAPLUS

DN 136:340689

TI Preparation of urea derivatives containing nitrogenous aromatic ring compounds as inhibitors of angiogenesis

IN Funahashi, Yasuhiro; Tsuruoka, Akihiko; Matsukura, Masayuki; Haneda, Toru; Fukuda, Yoshio; Kamata, Junichi; Takahashi, Keiko; Matsushima, Tomohiro; Miyazaki, Kazuki; Nomoto, Kenichi; Watanabe, Tatsuo; Obaishi, Hiroshi; Yamaguchi, Atsumi; Suzuki, Sachi; Nakamura, Katsuji; Mimura, Fusayo; Yamamoto, Yuji; Matsui, Junji; Matsui, Kenji; Yoshida, Takako; Suzuki, Yasuyuki; Arimoto, Itaru

PA Eisai Co., Ltd., Japan

SO PCT Int. Appl., 699 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002032872	A1	20020425	WO 2001-JP9221	20011019
	WO 2002032872	C1	20020926		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2001095986	A5	20020429	AU 2001-95986	20011019
PRAI	JP 2000-320420	A	20001020		
	JP 2000-386195	A	20001220		
	JP 2001-46685	A	20010222		
	WO 2001-JP9221	W	20011019		

OS MARPAT 136:340689

AB N-aryl or N-heteroarylurea derivs. represented by the general formula Ag-Xg-Yg-Tg1 or salts thereof, or hydrates of both [wherein Ag = (un)substituted C6-14 aryl or 5- to 14-membered heterocyclic group; Xg = single bond, O, S, C1-6 alkylene, SO, SO2, (un)substituted NH; Yg = (un)substituted C6-14 aryl, 5- to 14-membered heterocyclic group, C1-8 alkyl, C3-8 alicyclic hydrocarbyl, C6-14 aryl-C1-6 alkyl, 5- to 14-membered heteroaryl-C1-6 alkyl, (CH2)gSO2 (g = 1-8), (CH2)faCH:CH(CH2)fb (fa, fb = 0, 1, 2, 3), etc.; and Tg1 = a group of the general formula -Eg-CO-NRg1(Zg) or Q; wherein Eg = a single bond, (un)substituted NH; Rg1 = H, (un)substituted C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl, C3-8 aliph. hydrocarbyl, etc.; Zg = C1-8 alkyl, C3-8 alicyclic hydrocarbyl, C6-14 aryl, etc.; Zg1, Zg2 = (a) a single bond, (b) C1-6 alkylene optionally having .gtoreq.1 atoms selected from O, S, and N in the middle or the terminus of the chain and optionally substituted with oxo, (c) (un)substituted C2-6 alkenyl] are prepd. These compds. are also inhibitors of vascular endothelial growth factor receptor kinase (VEGFR2 kinase) and are useful as antitumor agents against hemangioma, pancreatic cancer, stomach cancer, colon cancer, breast cancer, prostate cancer, lung cancer, brain tumor, leukemia, or ovarian cancer, as cancer metastasis inhibitors, and for the treatment of retina neovascularization, diabetic retinopathy, atherosclerosis, or inflammatory diseases such as osteoarthritis, rheumatoid arthritis, psoriasis, or delayed

hypersensitivity. Thus, to soln. of 334 mg 4-[6-(4-benzyloxyphenyl)-7-(2-trimethylsilylethoxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yloxy]-2-chlorophenylamine in 4 mL DMF were added 0.066 mL pyridine and 0.102 mL Ph chlorocarbonate and stirred at room temp. for 2.5 h to give 330 mg N-[4-[6-(4-benzyloxyphenyl)-7-(2-trimethylsilylethoxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yloxy]-2-chlorophenyl]-N'-cyclopropylurea which (260 mg) was hydrogenolyzed over platinum oxide in ethanol overnight to give 160 mg N-[4-[6-(4-hydroxyphenyl)-7-(2-trimethylsilylethoxymethyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yloxy]-2-chlorophenyl]-N'-cyclopropylurea (I). I showed IC50 of 0.02 nM for inhibiting the vascular endothelial growth factor (VEGF)-stimulated sandwich tube formation in vascular endothelial cell.

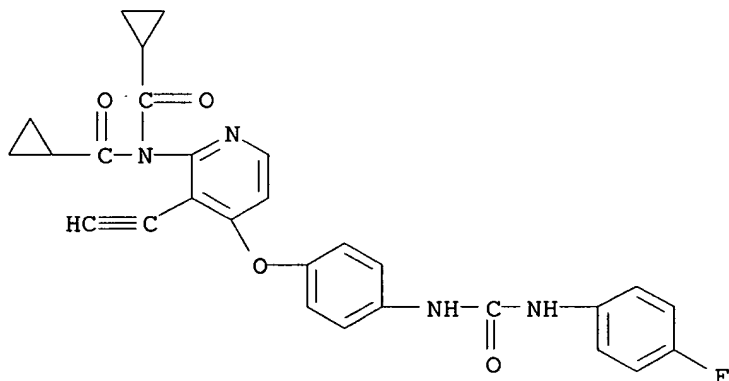
IT **417714-79-5P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of urea derivs. contg. nitrogenous arom. ring compds. as angiogenesis inhibitors for prevention or treatment of diseases)

RN 417714-79-5 CAPLUS

CN Cyclopropanecarboxamide, N-(cyclopropylcarbonyl)-N-[3-ethynyl-4-[4-[[[(4-fluorophenyl)amino]carbonyl]amino]phenoxy]-2-pyridinyl]- (9CI) (CA INDEX NAME)



IT **417721-77-8P 417721-80-3P 417721-81-4P**

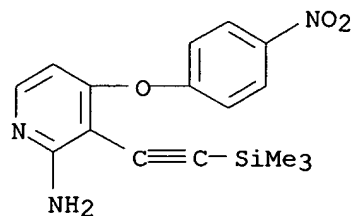
417721-82-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of urea derivs. contg. nitrogenous arom. ring compds. as angiogenesis inhibitors for prevention or treatment of diseases)

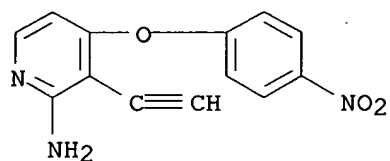
RN 417721-77-8 CAPLUS

CN 2-Pyridinamine, 4-(4-nitrophenoxy)-3-[(trimethylsilyl)ethynyl]- (9CI) (CA INDEX NAME)



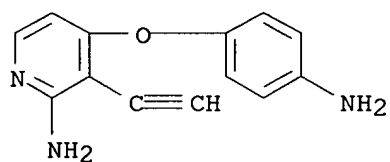
RN 417721-80-3 CAPLUS

CN 2-Pyridinamine, 3-ethynyl-4-(4-nitrophenoxy)- (9CI) (CA INDEX NAME)



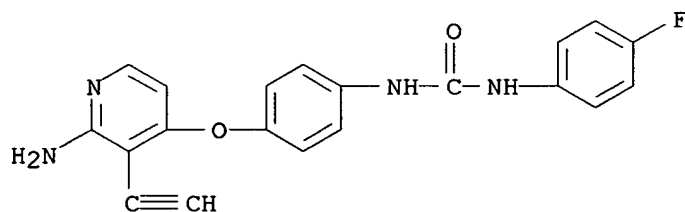
RN 417721-81-4 CAPLUS

CN 2-Pyridinamine, 4-(4-aminophenoxy)-3-ethynyl- (9CI) (CA INDEX NAME)



RN 417721-82-5 CAPLUS

CN Urea, N-[4-[(2-amino-3-ethynyl-4-pyridinyl)oxy]phenyl]-N'-(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:247333 CAPLUS
 DN 134:266475
 TI Preparation of quinuclidine compounds and drugs containing the same as the active ingredient of squalene synthase inhibitors
 IN Okada, Toshimi; Kurusu, Nobuyuki; Tanaka, Keigo; Miyazaki, Kazuki; Shinmyo, Daisuke; Sugumi, Hiroyuki; Ikuta, Hironori; Hiyoshi, Hironobu; Saeki, Takao; Yanagimachi, Mamoru; Ito, Masashi
 PA Eisai Co., Ltd., Japan; et al.
 SO PCT Int. Appl., 267 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

not prior

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023383	A1	20010405	WO 2000-JP6665	20000927
W: AU, BR, CA, CN, HU, IL, JP, KR, MX, NO, NZ, RU, US, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 2000074464	A5	20010430	AU 2000-74464	20000927
EP 1217001	A1	20020626	EP 2000-962889	20000927
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
NO 2002001528	A	20020528	NO 2002-528	20020326
PRAI JP 1999-273905	A	19990928		
JP 2000-179352	A	20000615		
WO 2000-JP6665	W	20000927		

OS MARPAT 134:266475

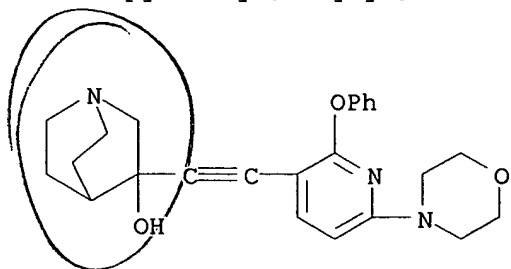
AB Title compds. [I; wherein R1 is hydrogen or hydroxyl; HAR is an optionally substituted arom. heterocycle; Ar is an optionally substituted arom. ring; W is a CH₂CH₂ group which may be substituted, a CH:CH group which may be substituted, CC, NHCO, or the like; X is a single bond, optionally substituted C1-6 alkylene, Q ;wherein Q is oxygen, sulfur, CO, N(R₂) ; wherein R₂ is C1-6 alkyl or C1-6 alkoxy, NHCO, or the like], salts thereof, or hydrates of both, are prepd. and are useful as excellent squalene synthase inhibitors. Thus, the title compd. II was prepd. and tested.

IT 332132-06-6P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of quinuclidine compds. and drugs contg. the same as active ingredient of squalene synthase inhibitors)

RN 332132-06-6 CAPLUS

CN 1-Azabicyclo[2.2.2]octan-3-ol, 3-[[6-(4-morpholinyl)-2-phenoxy-3-pyridinyl]ethynyl]- (9CI) (CA INDEX NAME)



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 2000:553541 CAPLUS
 DN 133:163952
 TI Preparation of N2-phenylamidines as fungicides
 IN Charles, Mark David; Franke, Wilfried; Green, David Eric; Hough, Thomas
 Lawley; Mitchell, Dale Robert; Simpson, Donald James; Atherall, John
 Frederick
 PA Hoechst Schering Agrevo G.m.b.H., Germany
 SO PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000046184	A1	20000810	WO 2000-GB345	20000204
	W: AU, BR, CA, CN, CZ, HU, IL, IN, JP, KR, MX, RU, TR, UA, US, ZA				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1150944	A1	20011107	EP 2000-901791	20000204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	BR 2000009314	A	20020213	BR 2000-9314	20000204
	JP 2002536354	T2	20021029	JP 2000-597256	20000204
PRAI	GB 1999-2592	A	19990206		
	WO 2000-GB345	W	20000204		

OS MARPAT 133:163952

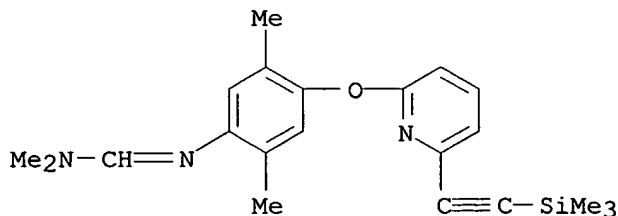
AB The title compds. [I; R1 = alkyl, alkenyl, alkynyl, etc.; R2, R3 = R1, CN, acyl, etc.; R2 and R3, or R2 and R1, together with their interconnecting atoms may form (un)substituted ring; R4 = alkyl, alkenyl, alkynyl, etc.; m = 0-3; when present R5 = R4; R6 = (un)substituted carbo- or heterocyclyl; A = a direct bond, O, C.tplbond.C, etc.; AR6 and R5 together with benzene ring M form an (un)substituted fused ring system], useful as fungicides, were prepd. E.g., a 3-step prepn. of the formamidine II which showed moderate to total control against Erysiphe graminis f. sp. Tritici at 500 ppm (w/v) or less, was given.

IT **287940-41-4P 287940-42-5P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of N2-phenylamidines as fungicides)

RN 287940-41-4 CAPLUS

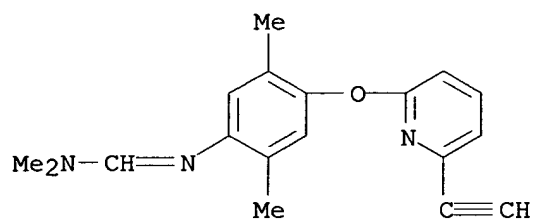
CN Methanimidamide, N'-[2,5-dimethyl-4-[[6-[(trimethylsilyl)ethynyl]-2-pyridinyl]oxy]phenyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



RN 287940-42-5 CAPLUS

CN Methanimidamide, N'-[4-[(6-ethynyl-2-pyridinyl)oxy]-2,5-dimethylphenyl]-

N,N-dimethyl- (9CI) (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:665000 CAPLUS
 DN 123:55906
 TI Picolinic acid derivatives and their herbicidal compositions
 IN Takabe, Fumiaki; Saito, Yoshihiro; Tamaru, Masatoshi; Tachikawa, Shigehiko; Hanai, Ryo
 PA Kumiai Chemical Industry Co., Ltd., Japan; Ihara Chemical Industry Co., Ltd.
 SO U.S., 19 pp. Cont.-in-part of U.S. Ser. No. 842,163, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5391537	A	19950221	US 1992-960844	19921014
	US 5403816	A	19950404	US 1993-48516	19930420
PRAI	JP 1990-288180	A	19901025		
	US 1992-842163	B2	19920331		
	JP 1992-129376	A	19920423		
	US 1992-960844	A2	19921014		

OS MARPAT 123:55906

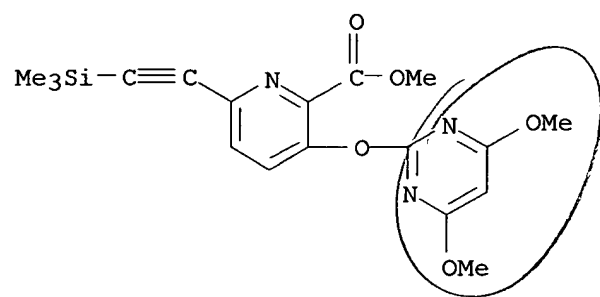
AB The present invention is to provide a novel picolinic acid deriv. having the formula I or a salt thereof wherein R is a hydrogen atom, a (C1-C4) alkyl group, a (C2-C4) alkenyl group, a (C2-C4) alkynyl group, a benzyl group, a halogen-substituted (C1-C4) alkyl group, a cyano (C1-C4)alkyl group, a (C1-C4) alkoxy (C1-C4) alkyl group, a (C1-C4) alkoxycarbonyloxy (C1-C4) alkyl group, a (C1-C4) alkyl group, a cyclo (C4-C7) alkylcarbonyloxy (C1-C4) alkyl group, a cyclo (C3-C6) alkyl (C1-C4) alkyl group, an alkali metal atom selected from the group consisting of sodium and potassium, an alkali earth metal atom or an org. amine cation selected from the group consisting of a (C1-C4) alkylamino and a di-(C1-C4) alkylamine; R1 and R2 are the same or different, and are a (C1-C4) alkyl group, a (C1-C4) alkoxy group, a halogen atom, a halogen-substituted (C1-C4) alkoxy group or a (C1-C4) alkylsulfonyl group; X = NR3R4 wherein R3, R4 are the same or different and are, e.g., H, C1-4 alkyl, Ph; Y = O, NR5 wherein R5 is a hydrogen atom or a formyl group; and n is 0 or 1; provided that when X is a hydrogen atom, Y is a group having the formula NCHO; a method for prepg. the same; and a herbicidal compn. contg. the same as an active ingredient. The picolinic acid deriv. or the salt thereof of the present invention achieves an excellent herbicidal effect at a low dosage, and is effective for controlling the growth of various weeds in a wide range. The picolinic acid deriv. or the salt thereof of the present invention can be applied to a paddy field, a cultivated field, a non-agricultural land and the like as a herbicidal compn. Thus, e.g., reaction of Me 6-(N,N-dimethylamino)-3-hydroxypicolinate with 4,6-dimethoxy-2-methylsulfonylpyrimidine afforded Me 3-(4,6-dimethoxypyrimidin-2-yl)oxy-6-(N,N-dimethylamino)picolinate in 66% yield which showed at least 90% growth control of barnyardgrass, monochoria, and bulrush.

IT 143941-12-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (herbicidal picolinic acid derivs.)

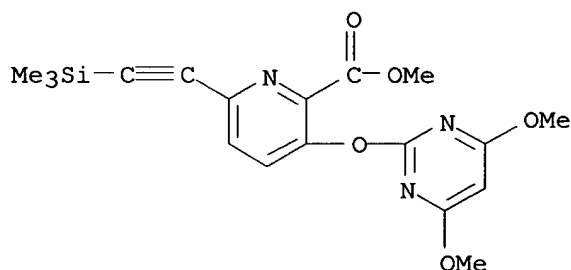
RN 143941-12-2 CAPLUS

CN 2-Pyridinecarboxylic acid, 3-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(trimethylsilyl)ethynyl]-, methyl ester (9CI) (CA INDEX NAME)



L8 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:380295 CAPLUS
 DN 122:160668
 TI Preparation of picolinic acid derivatives as herbicides
 IN Takabe, Fumiaki; Saito, Yoshihiro; Tamaru, Masatoshi; Tachikawa, Shigehiko; Yoshida, Ryo
 PA Kumiai Chemical Industry Co, Japan; Ihara Chemical Ind Co
 SO Jpn. Kokai Tokkyo Koho, 34 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06316574	A2	19941115	JP 1991-302644	19911023
	JP 2779720	B2	19980723		
OS	CASREACT 122:160668; MARPAT 122:160668				
AB	Title compds. I [R1 = H, alkyl, alkenyl, alkynyl, benzyl, haloalkyl, cyanoalkyl, etc.; R2 = H, alkyl, alkoxy, halo, haloalkoxy, alkylsulfonyl, R ; X = (un)substituted amino, etc.; Y = O, S, (un)substituted imino; n = 0, 1] are prepd. Thus, Me 6-(dimethylamino)-3-hydroxypicolinate was treated with 4,6-dimethoxy-2-(methylsulfonyl)pyrimidine in DMF contg. K2CO3 was heated at 90.degree. for 2 h to give 66% the title compd. I [X = 6-dimethylamino, Y = O, R = Me, R1 = R2 = MeO, n = 0]. This at 100 g/10 are effected 100% kill against Cyperus difformis.				
IT	143941-12-2P RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of picolinic acid derivs. as herbicides)				
RN	143941-12-2 CAPLUS				
CN	2-Pyridinecarboxylic acid, 3-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(trimethylsilyl)ethynyl]-, methyl ester (9CI) (CA INDEX NAME)				



Same as #6.

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:8609 CAPLUS
 DN 120:8609
 TI Preparation of (pyrimidinyloxy)picolinic acid analogs as herbicides
 IN Takabe, Fumiaki; Saito, Yoshihiro; Tamaru, Masatoshi; Tachikawa, Shigehiko; Hanai, Ryo
 PA Kumiai Chemical Industry Co., Ltd., Japan; Ihara Chemical Industry Co., Ltd.
 SO PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9312109	A1	19930624	WO 1991-JP1725	19911218
	W: BR, HU, PL, RO, SU				
	HU 64321	A2	19931228	HU 1992-1294	19911218
	HU 213623	B	19970828		
	BR 9106704	A	19940322	BR 1991-6704	19911218
	RO 109848	B1	19950630	RO 1927-92205	19911218
	RO 109848	B1	19950630	RO 1992-527	19911218
	PL 169374	B1	19960731	PL 1991-295868	19911218
	RU 2091380	C1	19970927	RU 1991-5011967	19911218
PRAI	WO 1991-JP1725	A	19911218		

OS MARPAT 120:8609

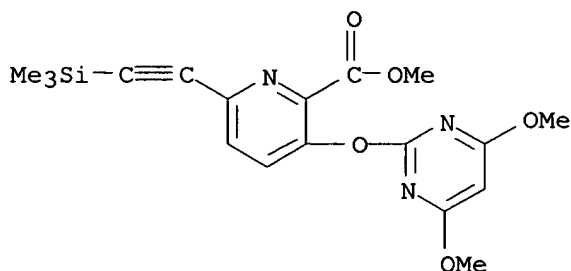
AB Title compds. I [R = H, alkyl, alkenyl, benzyl, haloalkyl, etc.; R1, R2 = alkyl, alkoxy, halo, haloalkoxy, alkylsulfonyl; X = (un)substituted amino, phenoxy, haloalkyl, alkoxy, etc.; Y = O, S, (un)substituted amino; n = 0, 1] are prepd. E.g., a mixt. of Me 6-(dimethylamino)-3-hydroxypicolinate (prepn. given), 4,6-dimethoxy-2-methylsulfonylpyrimidine, and K2CO3 in DMF was heated at 90.degree. for 2 h to give 66% I [R = Me, R1 = R2 = MeO, X = 6-Me2N, Y = O, n = 0], which at 100 g/ha effect .gtoreq.95% kill against Monochoria vaginalis. Many formulations contg. I are described.

IT 143941-12-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of, as herbicide)

RN 143941-12-2 CAPLUS

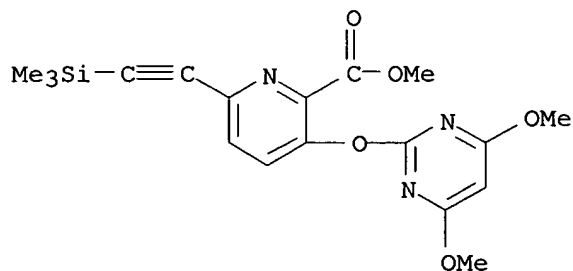
CN 2-Pyridinecarboxylic acid, 3-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(trimethylsilyl)ethynyl]-, methyl ester (9CI) (CA INDEX NAME)



Same as #6

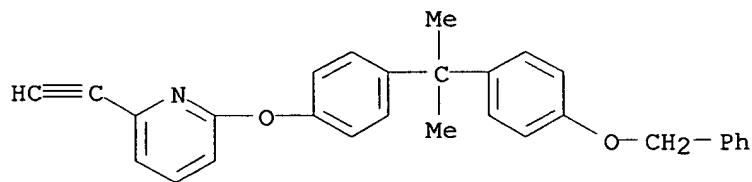
L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1993:6984 CAPLUS
 DN 118:6984
 TI Preparation of (pyrimidinyloxy- and -thio)picolinic acid derivatives as herbicides
 IN Takabe, Fumiaki; Saito, Yoshihiro; Tamaru, Masatoshi; Tachikawa, Shigehiko; Hanai, Ryo
 PA Kumiai Chemical Industry Co., Ltd., Japan; Ihara Chemical Industry Co., Ltd.
 SO PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9207846	A1	19920514	WO 1991-JP1459	19911025
	W: AU, CA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2066641	AA	19920426	CA 1991-2066641	19911025
	AU 9187473	A1	19920526	AU 1991-87473	19911025
	AU 640283	B2	19930819		
	EP 507962	A1	19921014	EP 1991-918910	19911025
	EP 507962	B1	20010613		
	R: DE, FR, GB				
PRAI	JP 1990-288180	A	19901025		
	WO 1991-JP1459	A	19911025		
OS	MARPAT 118:6984				
AB	The title compds. [I; R = H, alkyl, etc.; R1, R2 = alkyl, alkoxy, etc.; Y = O, S, etc.; X = cyano, PhO, etc.; n = 0, 1] are prepd. A mixt. of picolinate II, sulfone III, and K2CO3 in DMF was heated 2 h at 90.degree. to give 66% I (R = Me, R1 = R2 = MeO, X = 6-Me2N, Y = O, n = 0), which killed >90% barnyard grass, Monochoria vaginalis, and Scirpus juncoides.				
IT	143941-12-2P RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of, as herbicide)				
RN	143941-12-2 CAPLUS				
CN	2-Pyridinecarboxylic acid, 3-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-6-[(trimethylsilyl)ethynyl]-, methyl ester (9CI) (CA INDEX NAME)				

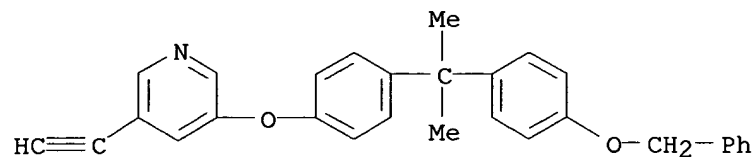


Same as #6.

L8 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:656727 CAPLUS
 DN 115:256727
 TI Thermal polymerization of arylacetylenes: a stepwise activated monomer mechanism
 AU Sekiguchi, Hikaru; Kang, Hee Cheol; Tersac, Gilles; Sillion, Bernard
 CS Lab. Chim. Macromol., Univ. P. et M. Curie, Paris, 75252, Fr.
 SO Makromolekulare Chemie, Macromolecular Symposia (1991), 47(Int. Symp. Mech. Kinet. Polym. React.: Their Use Polym. Synth., 1990), 317-28
 CODEN: MCMSES; ISSN: 0258-0322
 DT Journal
 LA English
 AB The kinetics of the thermal polymn. of ATR (acetylene-terminated resin) model compds., bisphenol A monobenzyl mono(ethynylaryl) ethers, was studied by GPC and the resulting oligomers characterized by FTIR, UV, and ¹H-NMR techniques. The monomer was consumed rapidly at first, and slowly later, giving a mixt. of dimer, low oligomers (d.p. 1 to req. 6), and higher ones. The concns. of every lower species remained nearly const. throughout the polymn. (except for the first 10 min). To account for these results, a new mechanism involving the activation of monomer and its attack on the end unit of the polymer chain was proposed. This is the first example of an activated-monomer mechanism for noncatalyzed polymn. of unsatd. monomers and, at the same time, the first example of a stepwise activated-monomer mechanism. The structure of the product was discussed on the basis of this mechanism.
 IT **137459-84-8P 137459-86-0P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, kinetics and mechanism of thermal)
 RN 137459-84-8 CAPLUS
 CN Pyridine, 2-ethynyl-6-[4-[1-methyl-1-[4-(phenylmethoxy)phenyl]ethyl]phenoxy]-, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 137459-83-7
 CMF C29 H25 N O2



RN 137459-86-0 CAPLUS
 CN Pyridine, 3-ethynyl-5-[4-[1-methyl-1-[4-(phenylmethoxy)phenyl]ethyl]phenoxy]-, homopolymer (9CI) (CA INDEX NAME)
 CM 1
 CRN 137459-85-9
 CMF C29 H25 N O2

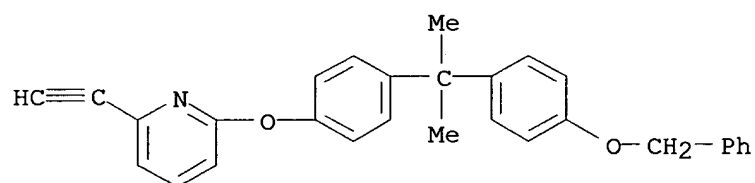


IT 137459-83-7 137459-85-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(thermal polymn. of, kinetics and mechanism of)

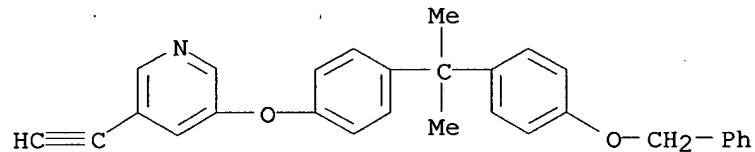
RN 137459-83-7 CAPLUS

CN Pyridine, 2-ethynyl-6-[4-[1-methyl-1-[4-(phenylmethoxy)phenyl]ethyl]phenoxy]- (9CI) (CA INDEX NAME)



RN 137459-85-9 CAPLUS

CN Pyridine, 3-ethynyl-5-[4-[1-methyl-1-[4-(phenylmethoxy)phenyl]ethyl]phenoxy]- (9CI) (CA INDEX NAME)



L8 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1990:8077 CAPLUS
 DN 112:8077
 TI Oligomeric acetylene-terminated pyridine ring-containing polyoxyarylenes,
 their preparation and conversion to crosslinked resins
 IN Senneron, Michel; Tersac, Gilles; Rabilloud, Guy; Sillion, Bernard
 PA Centre d'Etude des Materiaux Organiques pour Technologies Avancees, Fr.
 SO Fr. Demande, 14 pp. Addn. to Fr. Demande 2,605,010.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2621041	A2	19890331	FR 1987-13405	19870925
	FR 2621041	B2	19900112		
	FR 2605010	A1	19880415	FR 1986-14090	19861009
	FR 2605010	B1	19881230		
PRAI	FR 1986-14090		19861009		

AB The oligomers, of structure I (A = divalent arom. bridging group; n = 1-50), are prepd. by condensation of bisphenol alkali metal salts with 3,5-dihalopyridines, followed by treatment with reactive acetylenes, and are cured by thermal polymn. at 100-250.degree. to resins having excellent thermal stability. Thus, II [n = 2.5 (av., detd. by NMR)] was prepd. by condensation of 3,5-dibromopyridine with bisphenol A K salt, condensation of the intermediate with 2-methyl-3-butyn-2-ol in the presence of Pd(PPh₃)₂Cl₂, and heating with NaOH at 111.degree. to eliminate acetone. II was polymd. thermally at 140-305.degree., producing a polymer having glass-transition temp. 120.degree., 1% decompn. in air at 406.degree., and 5% decompn. in air at 434.degree..

IT 124274-87-9P

RL: PREP (Preparation)
 (manuf. of thermally stable)

RN 124274-87-9 CAPLUS

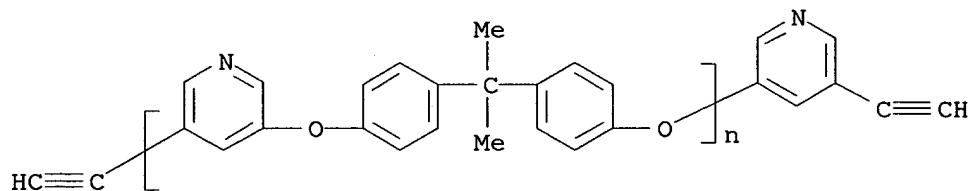
CN Poly[3,5-pyridinediyl-oxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxy], .alpha.-ethynyl .omega.-(5-ethynyl-3-pyridinyl)-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 124274-86-8

CMF (C₂₀ H₁₇ N O₂)_n C₉ H₅ N

CCI PMS



L8 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:115570 CAPLUS
 DN 110:115570
 TI Preparation and thermal polymerization of oligomeric
 poly(oxy pyridinediyl oxyarylenes bearing terminal acetylene groups
 IN Dussart-Lermusiaux, Annie; Senneron, Michel; Rabilloud, Guy; Sillion,
 Bernard
 PA Centre d'Etude des Materiaux Organiques pour Technologies Avancees, Fr.
 SO Fr. Demande, 26 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2605010	A1	19880415	FR 1986-14090	19861009
	FR 2605010	B1	19881230		
	FR 2621041	A2	19890331	FR 1987-13405	19870925
	FR 2621041	B2	19900112		
	EP 267076	A1	19880511	EP 1987-402209	19871006
	R: BE, CH, DE, GB, IT, LI, NL				
	US 4814403	A	19890321	US 1987-105745	19871008
	JP 63117034	A2	19880521	JP 1987-256139	19871009
PRAI	FR 1986-14090		19861009		

AB The title oligomers, useful in composites, adhesives, foams, etc., are
 prepd. by polymg. bisphenol salts with dihalopyridines and ethynylation of
 the halogen-terminated products. Heating 0.4 mol 2,6-dibromopyridine with
 0.2 mol resorcinol and 41.49 g K₂CO₃ in N-methylpyrrolidone-PhMe at
 130.degree. for 7 h with azeotropic distn. of H₂O gave 91%
 6,6'-(m-phenylenedioxy)bis(2-bromopyridine), catalytic condensation of
 which with 2-methyl-3-butyn-1-ol gave 66% bis(3-hydroxy-3-methyl-1-
 butynyl) deriv., alk. degrdn. of which gave 50% 2,2'-(m-
 phenylenedioxy)bis(6-ethynylpyridine) (I). Heating I at 180.degree. for 2
 h gave a polymer with initial decompn. temp. (TGA) 356 and 379.degree. in
 air and Ar, resp., and wt. loss after 20 h at 300.degree. 2.7%.

IT 119421-85-1P 119421-86-2P 119421-88-4P
 119421-89-5P

RL: IMF (Industrial manufacture); PREP (Preparation)
 (heat-resistant, manuf. of)

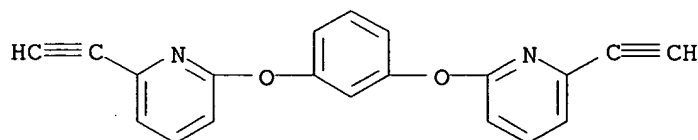
RN 119421-85-1 CAPLUS

CN Pyridine, 2,2'-[1,3-phenylenebis(oxy)]bis[6-ethynyl-, homopolymer (9CI)
 (CA INDEX NAME)

CM 1

CRN 119409-37-9

CMF C20 H12 N2 O2



RN 119421-86-2 CAPLUS

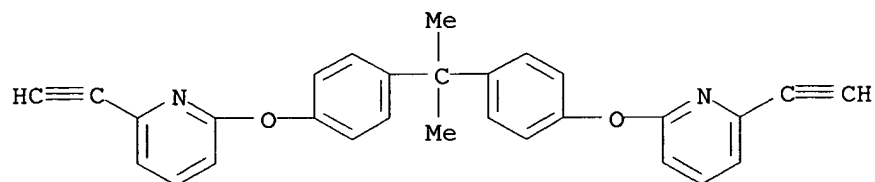
CN Pyridine, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis[6-ethynyl-,

homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 119409-38-0

CMF C29 H22 N2 O2



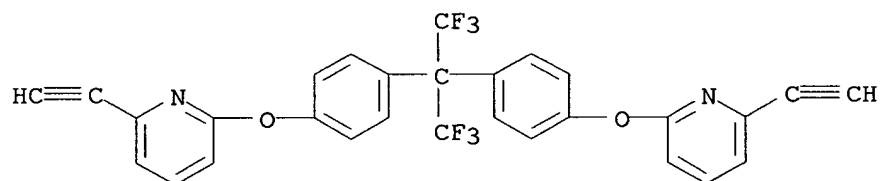
RN 119421-88-4 CAPLUS

CN Pyridine, 2,2'-[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis[6-ethynyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 119421-98-6

CMF C29 H16 F6 N2 O2



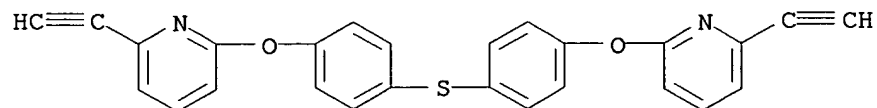
RN 119421-89-5 CAPLUS

CN Pyridine, 2,2'-[thiobis(4,1-phenyleneoxy)]bis[6-ethynyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 119409-40-4

CMF C26 H16 N2 O2 S

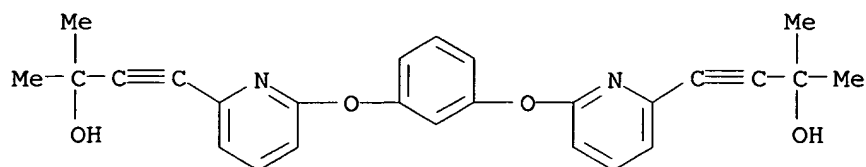


IT 119409-36-8P 119409-39-1P

RL: IMF (Industrial manufacture); PREP (Preparation)
(manuf. and degrdn. of)

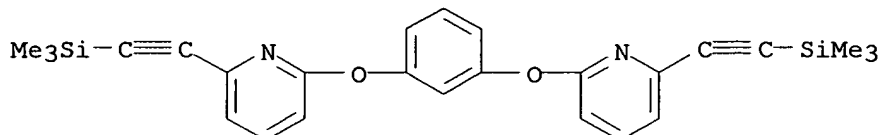
RN 119409-36-8 CAPLUS

CN 3-Butyn-2-ol, 4,4'-[1,3-phenylenebis(oxy-6,2-pyridinediyl)]bis[2-methyl- (9CI) (CA INDEX NAME)



RN 119409-39-1 CAPLUS

CN Pyridine, 2,2'-[1,3-phenylenebis(oxy)]bis[6-[(trimethylsilyl)ethynyl]- (9CI) (CA INDEX NAME)

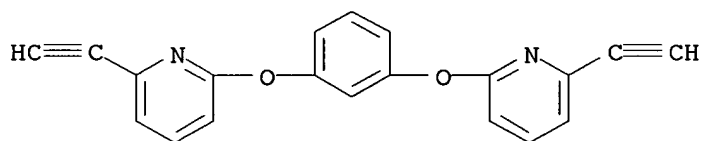


IT 119409-37-9P 119409-38-0P

RL: IMF (Industrial manufacture); PREP (Preparation)
(manuf. of)

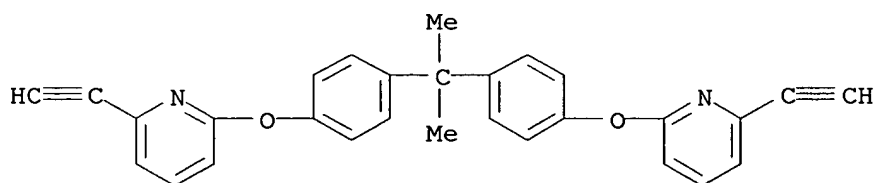
RN 119409-37-9 CAPLUS

CN Pyridine, 2,2'-[1,3-phenylenebis(oxy)]bis[6-ethynyl]- (9CI) (CA INDEX NAME)



RN 119409-38-0 CAPLUS

CN Pyridine, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxy)]bis[6-ethynyl]- (9CI) (CA INDEX NAME)

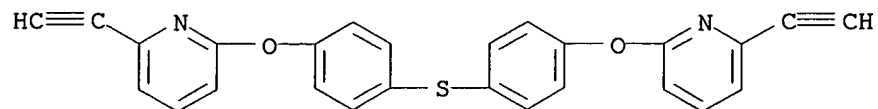


IT 119409-40-4P 119421-98-6P

RL: PREP (Preparation)
(prepn. of)

RN 119409-40-4 CAPLUS

CN Pyridine, 2,2'-[thiobis(4,1-phenyleneoxy)]bis[6-ethynyl]- (9CI) (CA INDEX NAME)



RN 119421-98-6 CAPLUS

CN Pyridine, 2,2'-[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis(4,1-phenyleneoxy)]bis[6-ethynyl- (9CI) (CA INDEX NAME)

